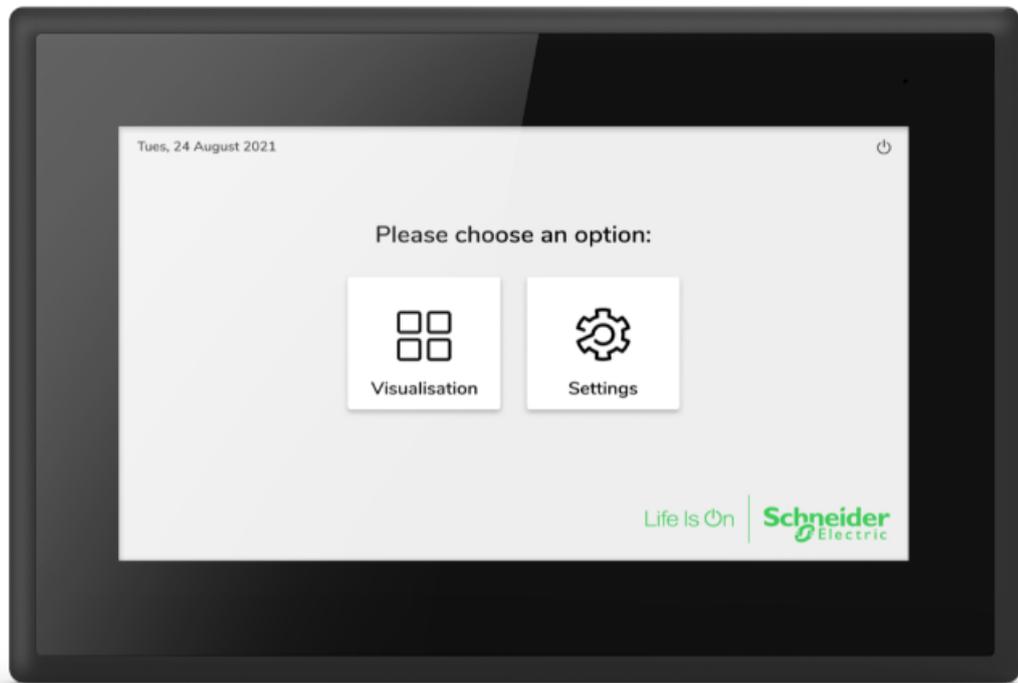


SpaceLogic KNX Touch IP 7 Inch

User manual

Operating instructions and reference information for the KNX Touch Panel software.

07/2022



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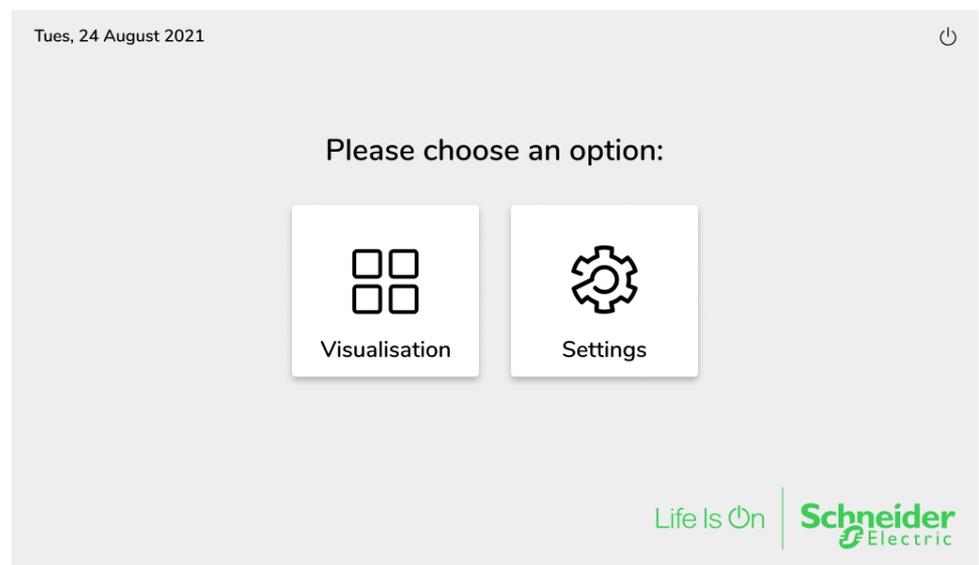
SpaceLogic KNX Touch IP 7 Inch

Introduction

Getting to know the SpaceLogic KNX Touch IP 7 Inch

The SpaceLogic KNX Touch IP 7 Inch is a 7 inch touch screen with a horizontal or vertical orientation. The touch panel offers a wide range of functions. The touch panel is equipped with embedded application making configuration easy and fast. The solution is designed to work closely with Wiser for KNX and spaceLYnk logic controllers.

The Wi-Fi connectivity makes the installation of touch panel easier and also provides freedom in installation location.



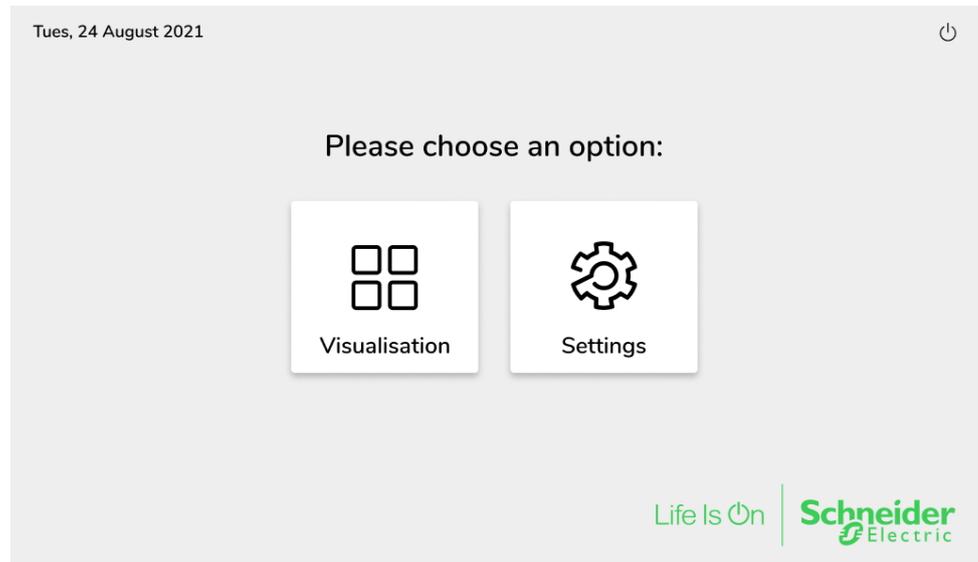
Mounting and Installation

Refer to the Touch Panel Installation Instructions for mounting and electrical wiring.

KNX Touch Panel dashboard

The options in the KNX Touch Panel dashboard are as follows:

- **Visualisation:** The *Visualisation* option allows a user to access visualization provided by Wiser for KNX or spaceLYnk controller.
- **Settings:** The *Settings* options allows a user to configure the touch panel and integrate with the controller.



Power button

The Power  button can standby or reboot the touch panel. To perform standby or reboot operation, select an option and click the **OK** button.

Please choose:	
Standby	<input checked="" type="radio"/>
Reboot	<input type="radio"/>
CANCEL OK	

NOTE: The panel is supposed to run for 24 hours a day, seven days a week. The ON / OFF functionality is performed by tripping of power.

Settings

The *Settings* option allows a system integrator to configure the touch panel and integrate with the controller. The sections in the *Settings* option are follows:

- Network
- General Settings
- Connection
- Display
- Update

Network

The *Network* section connects the touch panel to the WIFI network using the WIFI password. This section also allows to connect to a network with hidden SSID or another specific settings by configuring all network parameters manually.

Steps to connect to a Wi-Fi network

Prerequisites: The *Network* section in the *Settings* option must already be open in the KNX touch panel.

1. Switch on the Wi-Fi toggle  button.

NOTE: This discovers all available Wi-Fi networks and a list of networks appear on the screen.

2. Select a network from the list of networks
3. Enter the password and click the **CONNECT** button.

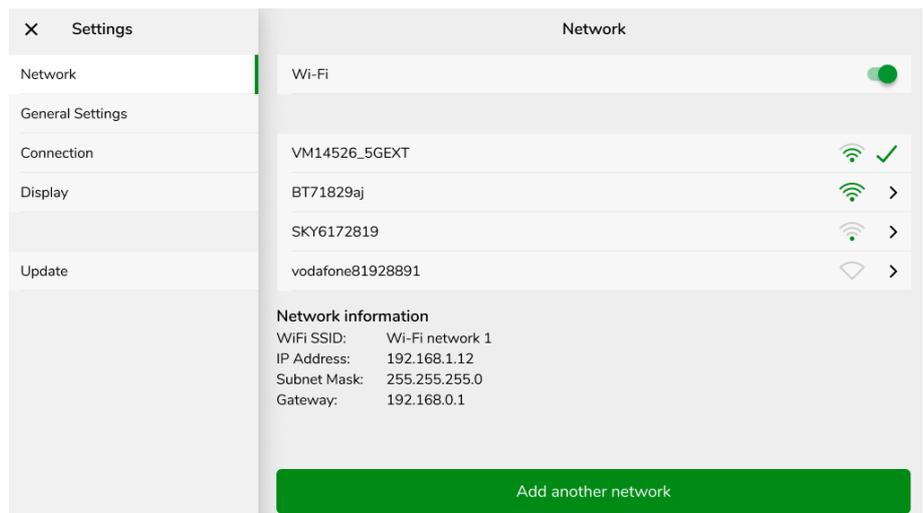
Connect to BT71829aj

Password 

CANCEL CONNECT

NOTE: A pop-up window with a red border appears on the screen if the entered password is wrong and the correct password must be entered.

Step Result: The network is connected, a green check mark appears on the network name and the network information is displayed.



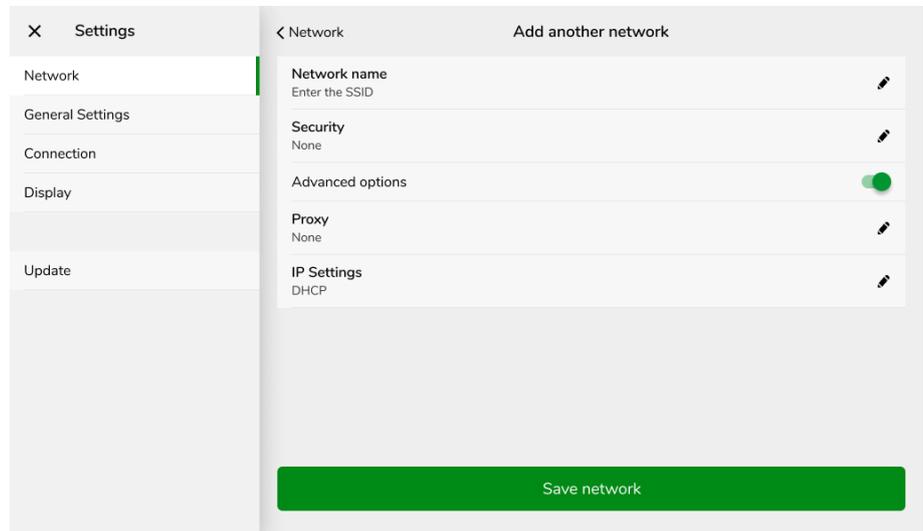
Steps to connect to a hidden network

Prerequisites: The *Network* section in the *Settings* option must already be open in the KNX touch panel.

1. Click the *Add another network* button.

NOTE: The *Add another network* option is used if the network has hidden SSID or another specific settings.

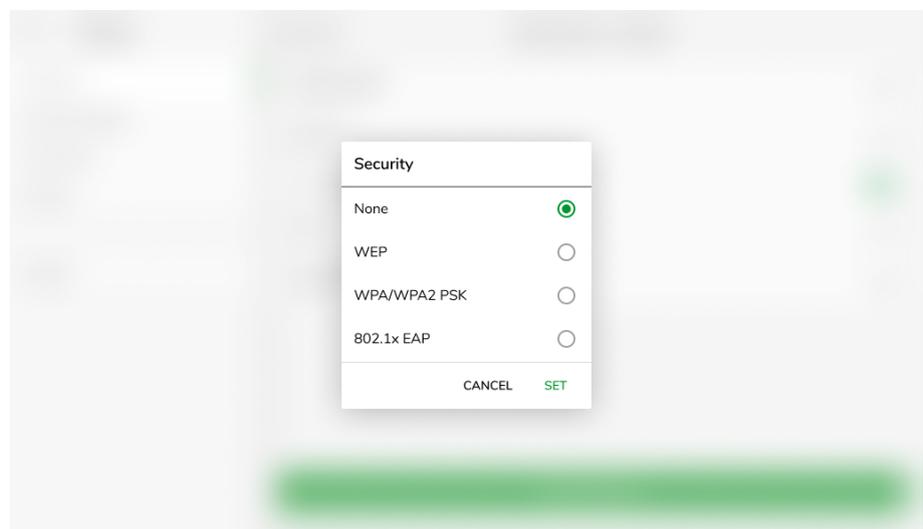
Step Result: The *Add another network* page appears on the screen.



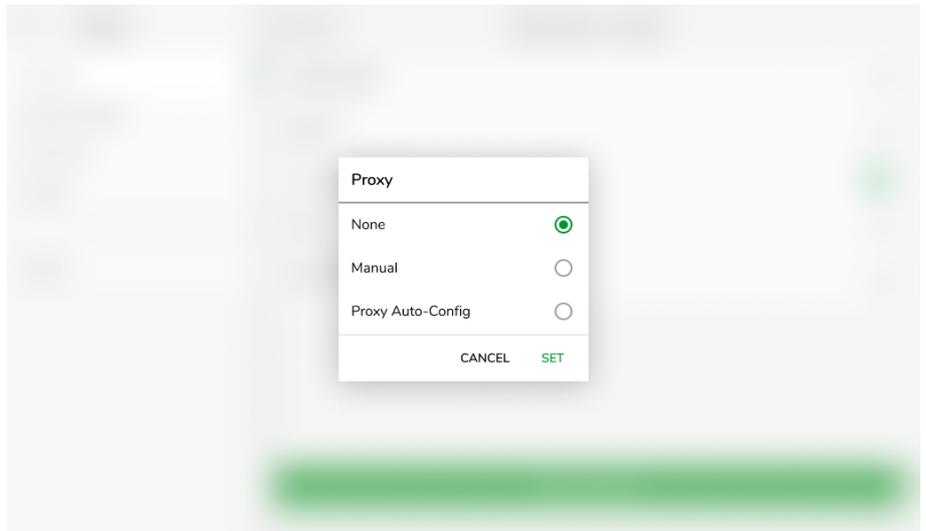
2. Click the  in the *Network Name* section, enter the SSID for the network and click the **SAVE** button.



3. Click the  in the *Security* section, select an option and click the **SET** button.

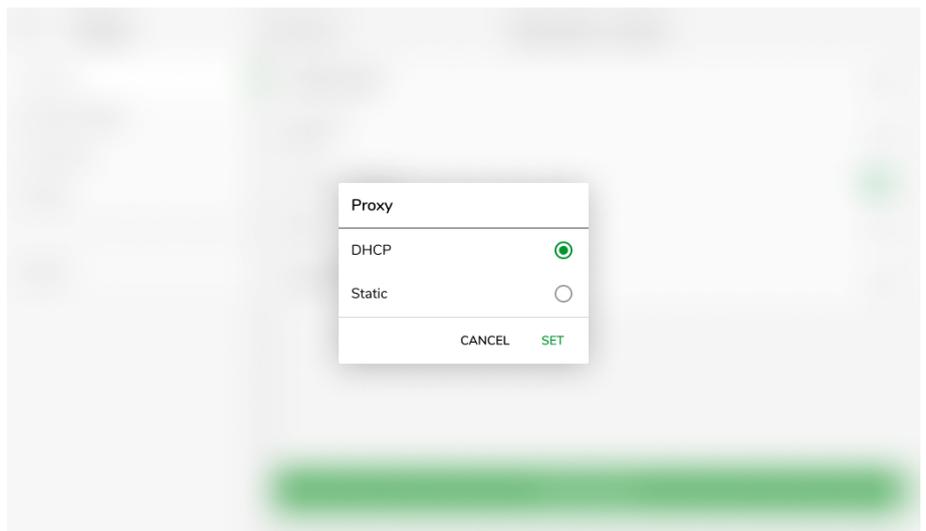


4. Click the  in the *Proxy* section, select an option and click the **SET** button.



NOTE: To enable this option, switch on the toggle  button in the *Advanced options* section.

5. Click the  in the *IP Settings* section, select an option and click the **SET** button.



NOTE: To enable this option, switch on the toggle  button in the *Advanced options* section.

6. Click the *Save network* button.

NOTE: The configuration details may differ based on the specific network settings.

Step Result: The hidden network is saved and the touch panel can be connected to this network.

General Settings

The operations that can be performed in the *General Settings* section are as follows:

- Select a language.
- Set time and date.
- Enable or disable automatic updates.
- Enable or disable automatic start.
- Enable or disable PIN protection.
- Clear cache.
- Perform factory reset.
- View the version information.

Language

The *Language* option allows a user to select a language for the software. To select a language click the edit  icon and select a language from the list of languages.

Set time and date

The *Set time and date* option allows a user to set time and date manually and automatically.

Steps to set time and date automatically

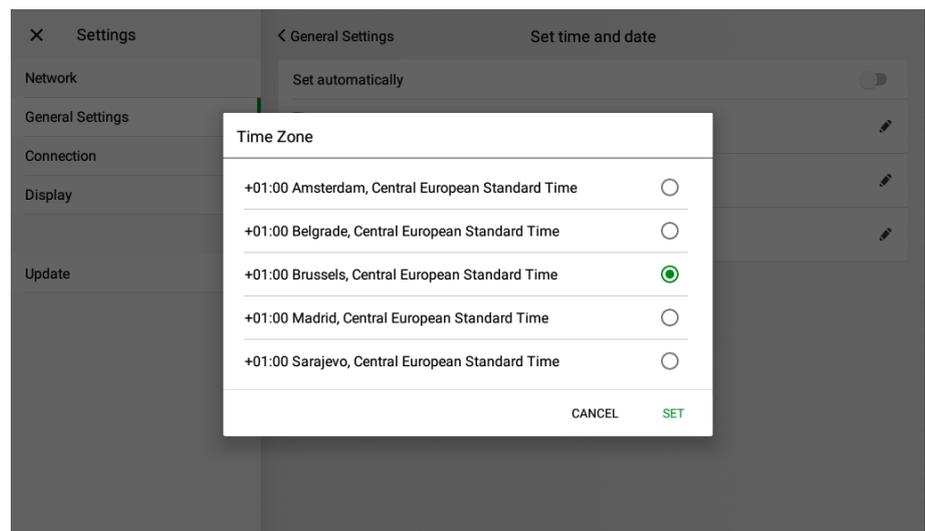
Prerequisites: The *General Settings* section in the *Settings* option must already be open in the KNX touch panel.

1. Select the *Set time and date* option.
2. Switch on the toggle  button.

NOTE: The time zone must be set manually by the system integrator.

Step Result: The time and date are set automatically.

3. Select suitable time zone and then click **SET**.



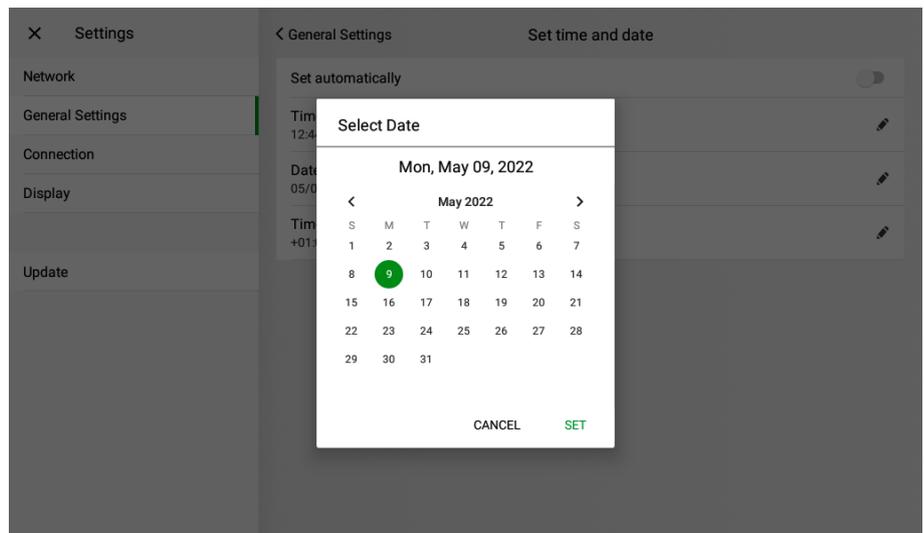
Steps to set time and date manually

Prerequisites: The *General Settings* section in the *Settings* option must already be open in the KNX touch panel.

1. Select the *Set time and date* option.

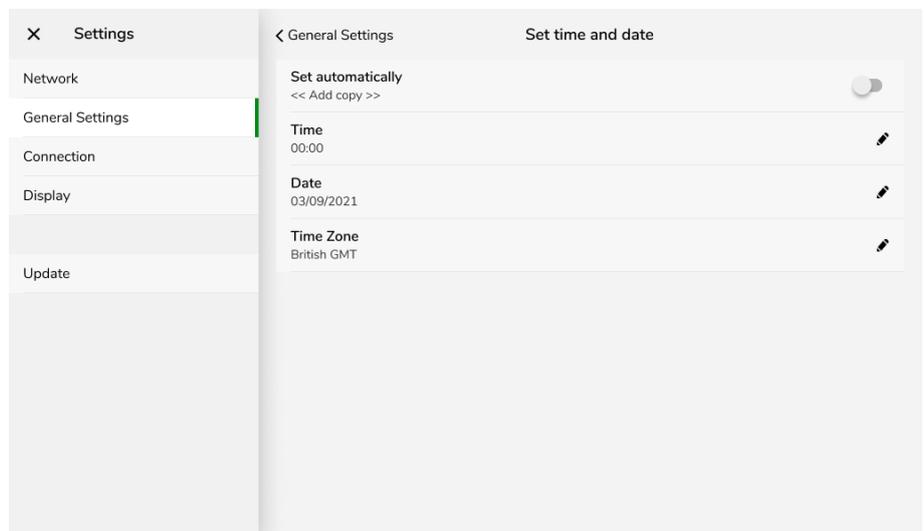
NOTE: The *Set automatically* toggle  button must be switched off.

2. Click the edit  button in *Time* section to update the time information.
3. Click the edit  button in *Date* section to update the date information, and then click **SET**.



4. Click the edit  button in *Time Zone* section to update the time zone information.

Step Result: The time and date information are set manually.



Automatic update

The *Automatic update* option enables or disables the automatic update of the application. When an *Automatic update* option is enabled, the touch panel periodically asks the controller for the newer version of the application.

The application is updated if the newer version is available. To enable automatic updates, switch on the toggle  button. To disable automatic updates, switch off the toggle  button.

NOTE: For details on the update process between the controller and Touch panel, see *Update*, page 19.

Automatic start

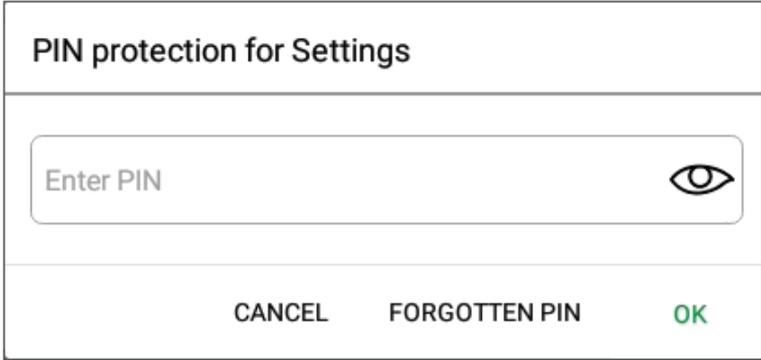
The *Automatic start* option enables or disables the automatic start of the visualization after starting up the tablet. When an *Automatic start* option is enabled, the touch panel automatically starts to visualization set in the *Connection* section.

This secures that after power outage or reboot the touch panel does not request any interaction with end user and directly open visualization. To enable automatic

start, switch on the toggle  button. To disable automatic start, switch off the toggle  button.

PIN protection

The *PIN protection* option enables or disables the protection for access to settings. When enabled, the access to settings is protected by PIN and hence it blocks the access to end user.



This section also allows a user to change the PIN, see *Steps to follow if a user forgets the PIN*, page 13. To enable PIN protection, switch on the toggle  button. To disable PIN protection, switch off the toggle  button.

NOTE: A 6 digit PIN is set to ensure cyber security guidelines. After 5 consecutive failed attempts, the PIN keyboard is blocked for 1 minute.

The screenshot shows a dialog box titled "PIN protection for Settings". At the top, it says "Settings locked" in red. Below this is a text input field containing six asterisks, with a red eye icon to its right. Underneath the input field, the text "Incorrect PIN" is displayed in red. At the bottom of the dialog, there are three buttons: "CANCEL", "FORGOTTEN PIN", and "OK". The "OK" button is highlighted with a grey background.

Steps to follow if a user forgets the PIN

This section describes a procedure to follow if a system integrator forgets the PIN.

1. Select the **FORGOTTEN PIN** option.

The screenshot shows the same "PIN protection for Settings" dialog box. The text input field now contains the placeholder text "Enter PIN" and has a grey eye icon to its right. At the bottom, the "FORGOTTEN PIN" button is highlighted with a grey border and a grey background, while "CANCEL" and "OK" are in their standard states.

NOTE: The *PIN protection for Settings* window appears when a user forgets the PIN and attempts a wrong PIN 5 times. In this case a user can override the PIN by using controller's admin password.

Step Result: This option prompts a user to enter the controller admin password.

2. Enter the controller admin password and click the **OK** button.

The screenshot shows the "PIN protection for Settings" dialog box. The text input field now contains the placeholder text "Password" and has a grey eye icon to its right. At the bottom, the "OK" button is highlighted with a green background, while "CANCEL" is in its standard state.

NOTE: After a system integrator enters the admin password, this redirects to the settings section where you can perform a factory reset.

Clear cache

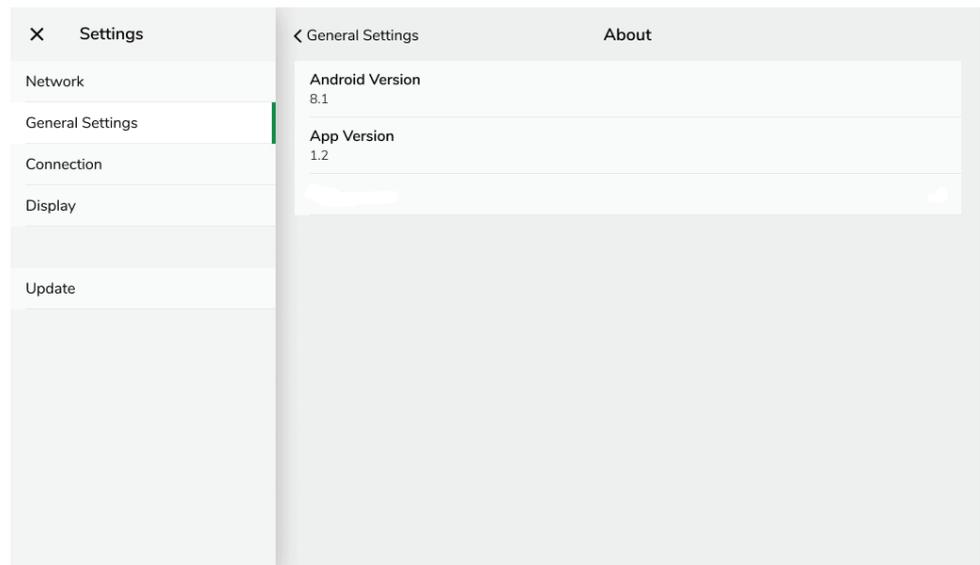
The *Clear cache* option cleans the In App cache of the browser. This can be useful when visualization is stuck or broken.

Factory reset

The *Factory reset* option restores the application to the initial state. The configuration of the touch panel needs to be performed from the beginning.

About

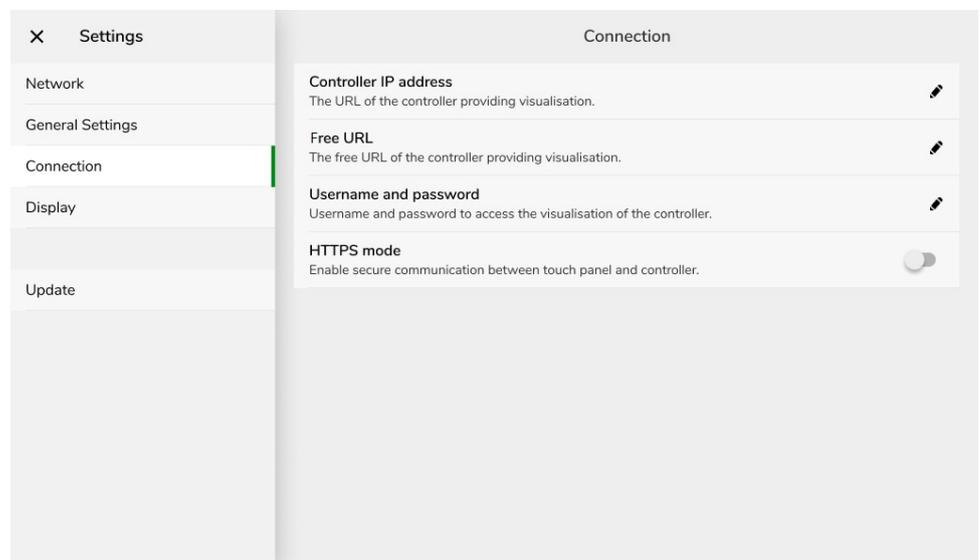
The *About* section displays the *Android Version* and *App Version* of the touch panel.



Connection

The *Connection* section allows establishing connection with the controller with focus on Touch visualization. The options in the *Connection* section are as follows:

- Controller IP address.
- Free URL.
- Username and password.
- HTTPS mode.



Controller IP address

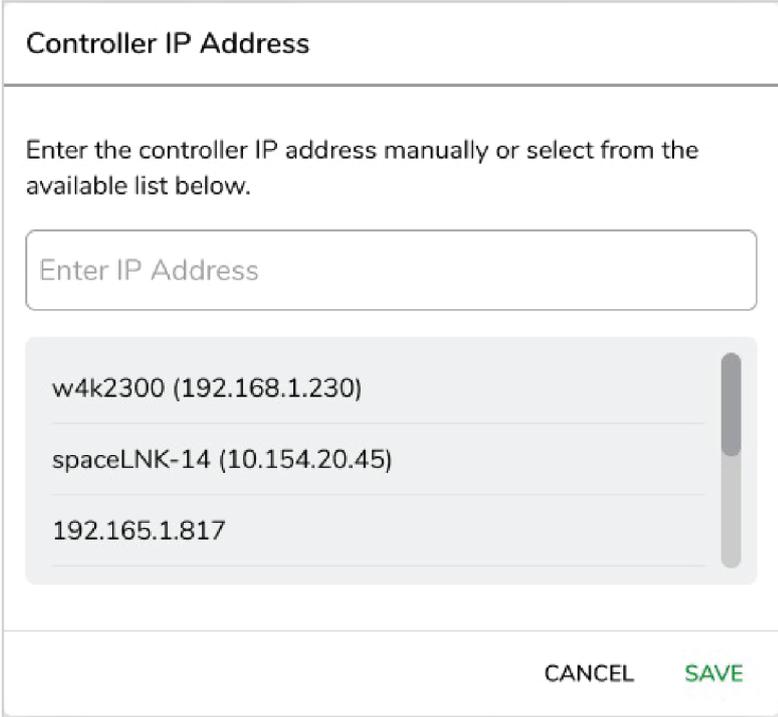
This *Controller IP address* option allows a user to manually enter IP address or choose a controller from the list of discovered devices, as there can be more than one controller in the network. The discovery procedure runs automatically in the background, where it scans the network for controllers.

NOTE: The automatic discovery procedure may happen subsequently depending on the network configuration and capabilities. It is always possible to manually add the IP addresses.

Steps to set controller IP address

Prerequisites: The *Connection* section in the *Settings* option must already be open in the KNX touch panel.

1. Click the edit  icon in the *Controller IP address* section.



Controller IP Address

Enter the controller IP address manually or select from the available list below.

Enter IP Address

- w4k2300 (192.168.1.230)
- spaceLNK-14 (10.154.20.45)
- 192.165.1.817

CANCEL SAVE

2. Enter the controller IP address in the text box.
3. Click the **SAVE** button.

Step Result: The controller IP address is saved.

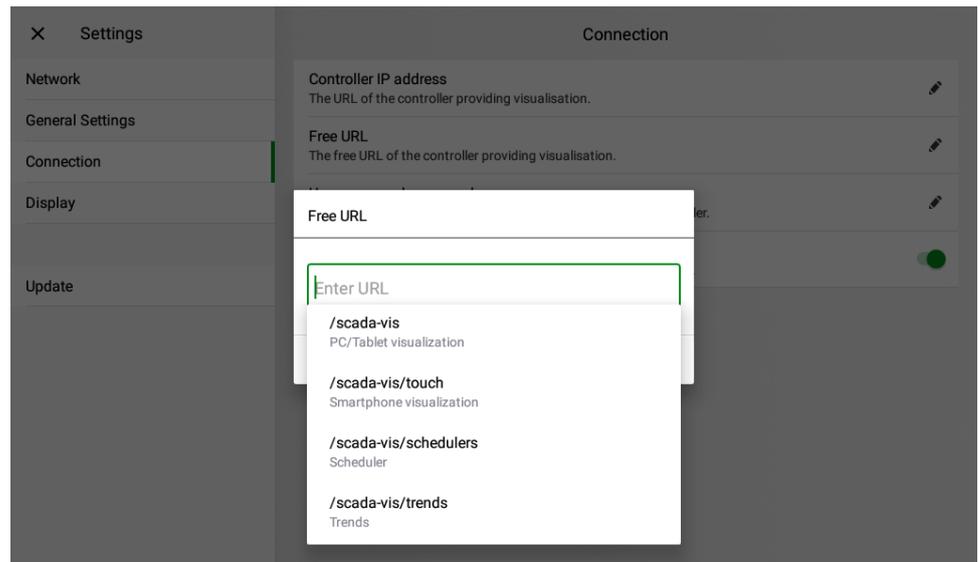
Free URL

In this section, choose the URL depending on the visualization mode.

- PC/Tablet visualization: /scada-vis
- Smartphone visualization: /scada-vis/touch
- Scheduler: /scada-vis/schedulers
- Trends: /scada-vis/trends

NOTE:

- If you do not choose the visualization mode, then the touch visualization is set by default. It is accessible by clicking on the Visualization tile on the main dashboard.
- If you wish to return to the main dashboard, pull the screen downwards and click on the Home icon.



Username and password

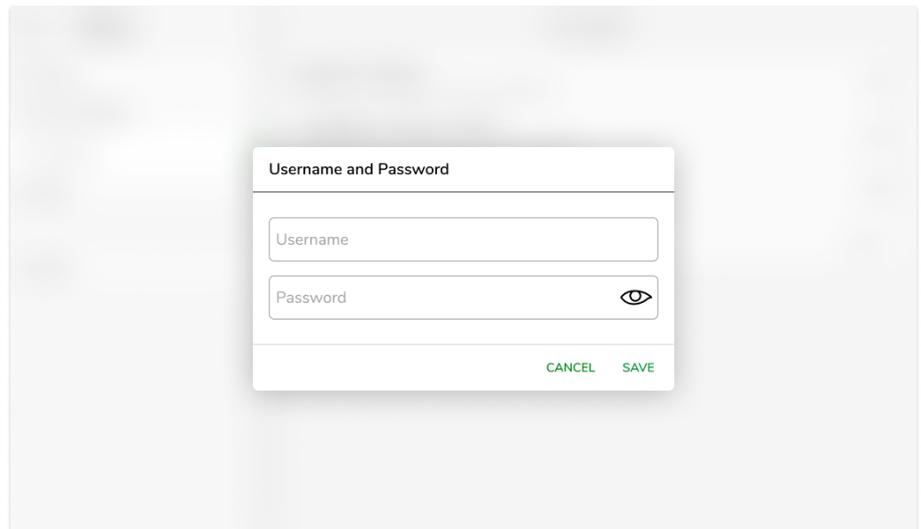
The *Username and password* option allows the user to enter the credentials of existing users in the controller.

Steps to edit and view the username and password

Prerequisites: The *Connection* section in the *Settings* option must already be open in the KNX touch panel.

1. Click the edit  icon in *Username and password* section.

2. View or edit the user credentials.



3. Click the **SAVE** button.

Step Result: The user credentials are updated.

HTTPS mode

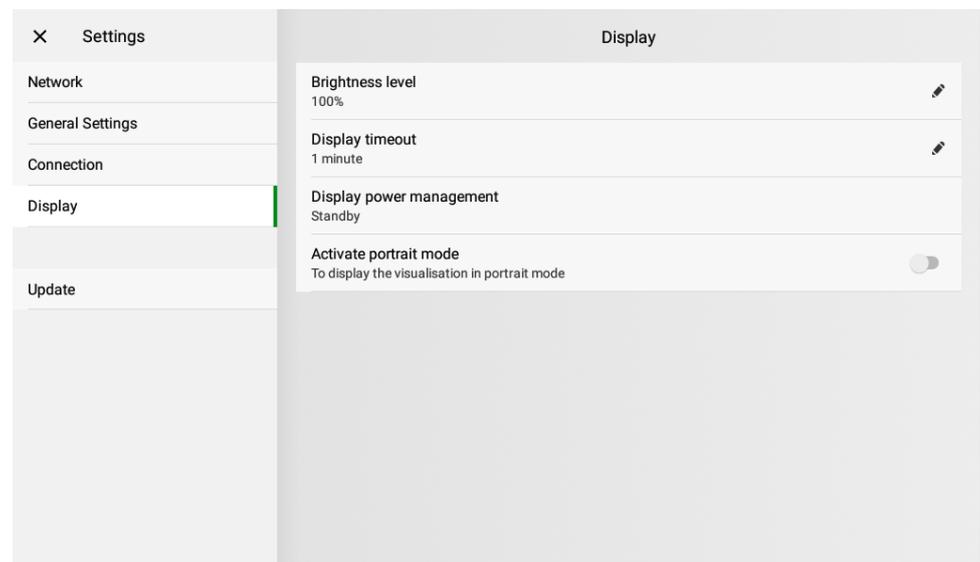
The *HTTPS mode* option enables secure communication between Touch panel and the controller. To enable HTTPS mode switch on the toggle  button.

IMPORTANT: It is recommended to use HTTPS communication only.

Display

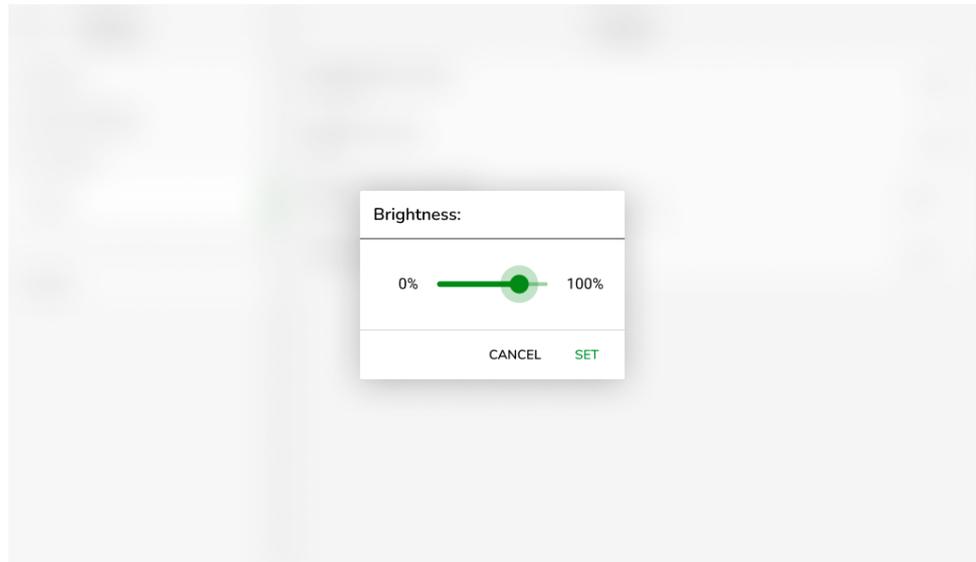
The *Display* section allows a user to configure the display settings for touch panel. The options in *Display* section are as follows:

- Brightness level
- Display timeout
- Display power management
- Activate portrait mode.



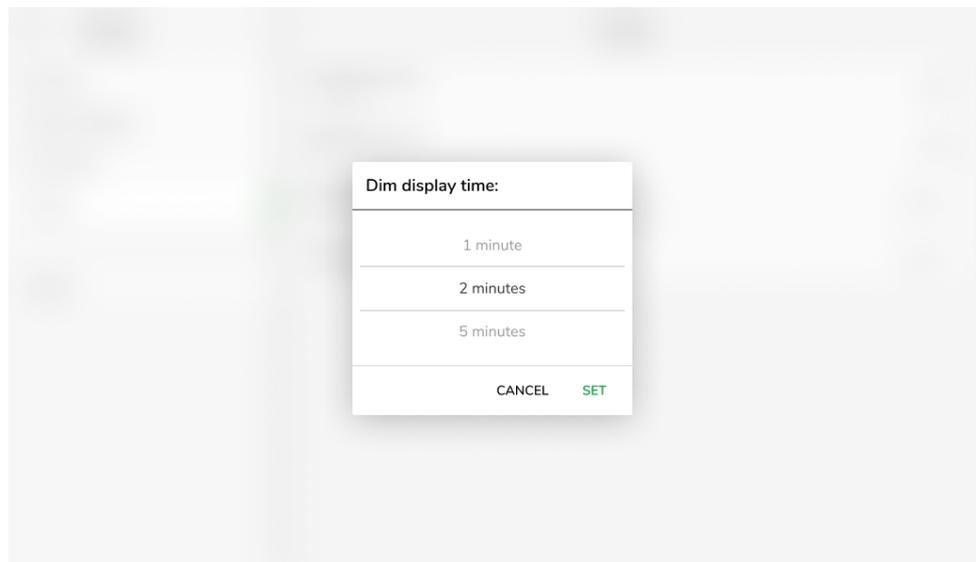
Brightness level

The *Brightness level* option sets the brightness level for the touch panel in active state. To set the brightness level, select a desired level and click the **SET** button.



Display timeout

The *Display timeout* option sets the time after which the display is switched off. To set the time, select a time duration and click the **SET** button.



Display power management

The *Display power management* allows the user to turn the display to standby mode. This switches off the display and is linked with the *Display timeout*.

Activate portrait mode

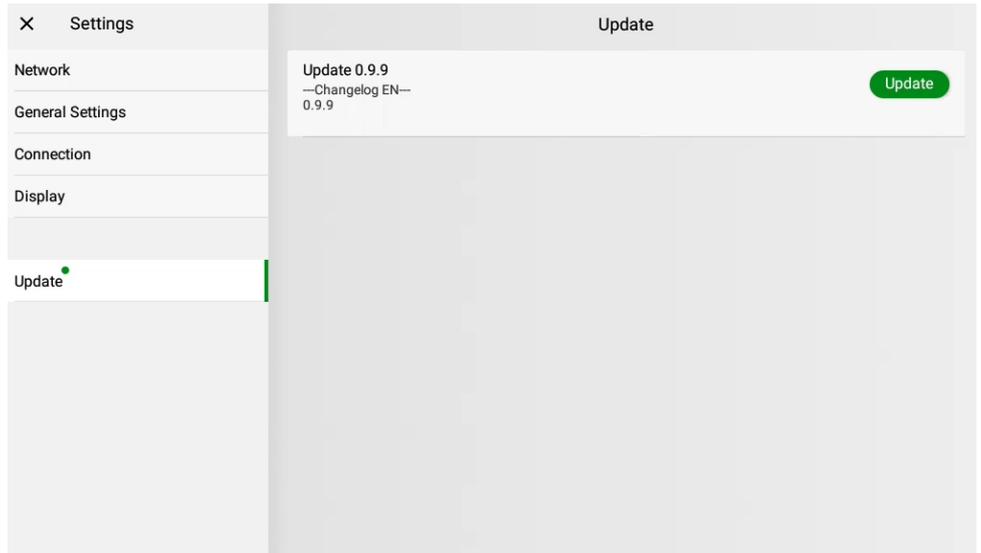
The *Activate portrait mode* option when enabled, changes the display mode from landscape to portrait view for vertically installed touch panels. To enable this option, switch on the toggle button  in *Activate portrait mode* section.

Update

The *Update* section allows a user to update the application. A green dot appears on the section when the update is available. The latest version of the embedded application is distributed from the controller.

NOTE:

- Download the SpaceLogic KNX IP Touch 7 Application from the marketplace or install it locally.
- The touch panel installs automatically if enabled, after the application is available in the controller. This can also be installed by clicking the **Update** button in the *Update* section.
- Read changelog before the installation procedure.



Appendix

Open Source Component License

Name	License
Activity	Apache-2.0
Support Annotations	Apache-2.0
Experimental annotation	Apache-2.0
Android AppCompat Library	Apache-2.0
Android Resources Library	Apache-2.0
Android Arch-Common	Apache-2.0
Android Arch-Runtime	Apache-2.0
Support Async Layout Inflater	Apache-2.0
Support CardView v7	Apache-2.0
Support collections	Apache-2.0
AndroidX Futures	Apache-2.0
Android ConstraintLayout	Apache-2.0
Android ConstraintLayout Core	Apache-2.0
Support Coordinator Layout	Apache-2.0
Support compat	Apache-2.0

Core Kotlin Extensions	Apache-2.0
Support Cursor Adapter	Apache-2.0
Support Custom View	Apache-2.0
androidx.databinding:databinding-adapters	Apache-2.0
androidx.databinding:databinding-common	Apache-2.0
androidx.databinding:databinding-ktx	Apache-2.0
androidx.databinding:databinding-runtime	Apache-2.0
androidx.databinding:viewbinding	Apache-2.0
Support Document File	Apache-2.0
Support Drawer Layout	Apache-2.0
Support DynamicAnimation	Apache-2.0
Android Emoji2 Compat	Apache-2.0
Android Emoji2 Compat view helpers	Apache-2.0
Support fragment	Apache-2.0
Support Interpolators	Apache-2.0
Support core UI	Apache-2.0
Support core utils	Apache-2.0
Support v4	Apache-2.0
Android Lifecycle-Common	Apache-2.0
Android Lifecycle LiveData	Apache-2.0
Android Lifecycle LiveData Core	Apache-2.0
Android Lifecycle Process	Apache-2.0
Android Lifecycle Runtime	Apache-2.0
Android Lifecycle Kotlin Extensions	Apache-2.0
Android Lifecycle Service	Apache-2.0
Android Lifecycle ViewModel	Apache-2.0
Android Lifecycle ViewModel with SavedState	Apache-2.0
Support loader	Apache-2.0
Support Local Broadcast Manager	Apache-2.0
Support media compat	Apache-2.0
Android Navigation Common	Apache-2.0
Android Navigation Fragment	Apache-2.0
Android Navigation Runtime	Apache-2.0
Android Navigation UI	Apache-2.0
Support Print	Apache-2.0
Support RecyclerView v7	Apache-2.0
Android Resource Inspection - Annotations	Apache-2.0
Activity	Apache-2.0
Support Sliding Pane Layout	Apache-2.0
Android App Startup Runtime	Apache-2.0
Support Custom View	Apache-2.0
Android Tracing	Apache-2.0
Android Transition Support Library	Apache-2.0

Support VectorDrawable	Apache-2.0
Support AnimatedVectorDrawable	Apache-2.0
VersionedParcelable	Apache-2.0
AndroidX Widget ViewPager2	Apache-2.0
Support View Pager	Apache-2.0
WebView Support Library	Apache-2.0
Material Components for Android	Apache-2.0
Guava ListenableFuture only	Apache-2.0
AboutLibraries Library	Apache-2.0
Kotlin Stdlib	Apache-2.0
Kotlin Stdlib Common	Apache-2.0
Kotlin Stdlib Jdk7	Apache-2.0
Kotlin Stdlib Jdk8	Apache-2.0
kotlinx-coroutines-android	Apache-2.0
kotlinx-coroutines-core	Apache-2.0
IntelliJ IDEA Annotations	Apache-2.0
JmDNS	Apache-2.0
SLF4J API Module	MIT

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